

## Appendix.

### *lhifensulfuron*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Trifolium alexandrinum
(A) glufosinate	200	50
(B) lhifensulfuron	15	25
(A) + (B)	(200 + 15)	81 (50 + 25)

### *iodosulfuron*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Trifolium alexandrinum
(A) glufosinate	200	50
(B) iodosulfuron	2.5	18
(A) + (B)	(200 + 2.5)	94 (50 + 18)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Chenopodium album
(A) glufosinate	360	50
(B) lhifensulfuron	15	0
(A) + (B)	(360 + 15)	87 (50 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Hordeum vulgare (volunteer = as weed)
(A) glufosinate	360	60
(B) iodosulfuron	2.5	15
(A) + (B)	(360 + 2.5)	68 (60 + 15)

*sulfosulfuron*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on <i>Lolium multiflorum</i>
(A) glufosinate	400	0
(B) sulfosulfuron	15	30
(A) + (B)	(400 + 15)	40 (0 + 30)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on <i>Chenopodium album</i>
(A) glufosinate	360	50
(B) sulfosulfuron	15	65
(A) + (B)	(360 + 15)	88 (E <sup>c</sup> 82.5)***

\*\*\*E<sup>A</sup>>100%-therefore threshold calculation using Colby's formula (E<sup>c</sup>)

*2,4 D*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on <i>Trifolium alexandrinum</i>
(A) glufosinate	200	45
(B) 2,4 D	500	17
(A) + (B)	(200 + 500)	97 (45 + 17)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on <i>Chenopodium album</i>
(A) glufosinate	360	50
(B) 2,4 D	500	79
(A) + (B)	(360 + 500)	98 (E <sup>c</sup> 89)***

\*\*\*E<sup>A</sup>>100%-therefore threshold calculation using Colby's formula (E<sup>c</sup>)

*MCPA*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Trifolium alexandrinum
(A) glufosinate	400	78
(B) MCPA	500	8
(A) + (B)	(400 + 500)	97 (78 + 8)

*clopyralid*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Amaranthus retroflexus
(A) glufosinate	200	75
(B) clopyralid	60	0
(A) + (B)	(200 + 60)	84 (75 + 0)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	88
(B) MCPA	500	0
(A) + (B)	(360 + 500)	90 (88 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	88
(B) <i>clopyralid</i>	60	0
(A) + (B)	(360 + 60)	90 (88 + 0)

*bromoxynil*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Amaranthus retroflexus
(A) glufosinate	200	75
(B) bromoxynil	100	11
(A) + (B)	(200 + 100)	89 (75 + 11)

*florasulam*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Hordeum vulgare (volunteer = as weed)
(A) glufosinate	400	70
(B) florasulam	25	0
(A) + (B)	(400 + 25)	73 (70 + 0)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	88
(B) bromoxynil	100	0
(A) + (B)	(360 + 100)	91 (88 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	50
(B) florasulam	25	0
(A) + (B)	(360 + 25)	55 (50 + 0)

*metribuzin*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Trifolium alexandrinum
(A) glufosinate	200	50
(B) metribuzin	250	25
(A) + (B)	(200 + 250)	98 (50 + 25)

*isoxaflutole*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Trifolium alexandrinum
(A) glufosinate	200	50
(B) isoxaflutole	50	25
(A) + (B)	(200 + 50)	75 (E <sup>c</sup> 74)***

\*\*\*Threshold calculation using Colby's formula (E<sup>c</sup>)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Lolium multiflorum
(A) glufosinate	360	40
(B) metribuzin	250	10
(A) + (B)	(360 + 250)	50 (E <sup>c</sup> 46)***

\*\*\*Threshold calculation using Colby's formula (E<sup>c</sup>)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Lolium multiflorum
(A) glufosinate	200	20
(B) isoxaflutole	50	0
(A) + (B)	(200 + 50)	35 (20 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Hordeum vulgare (volunteer = as weed)
(A) glufosinate	360	60
(B) isoxaflutole	50	0
(A) + (B)	(360 + 50)	65 (60 + 0)

*sulcotrione*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Trifolium alexandrinum
(A) glufosinate	200	50
(B) sulcotrione	150	25
(A) + (B)	(200 + 150)	92 (50 + 25)

*mesotrione*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Lolium multiflorum
(A) glufosinate	400	0
(B) mesotrione	50	35
(A) + (B)	(400 + 50)	40 (0 + 35)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	50
(B) sulcotrione	150	0
(A) + (B)	(360 + 150)	58 (50 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	40
(B) mesotrione	50	0
(A) + (B)	(360 + 50)	55 (40 + 0)

*carfentrazone*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Chenopodium album
(A) glufosinate	400	30
(B) carfentrazone	15	65
(A) + (B)	(400 + 15)	98 (30 + 65)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Chenopodium album
(A) glufosinate	360	50
(B) carfentrazone	15	65
(A) + (B)	(360 + 15)	98 (E° 83)***

\*\*\*E° > 100% - therefore threshold calculation using Colby's formula (E°)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	50
(B) carfentrazone	15	0
(A) + (B)	(360 + 15)	55 (50 + 0)

*pendimethalin*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Trifolium alexandrinum
(A) glufosinate	400	78
(B) pendimethalin	500	70
(A) + (B)	(400 + 500)	90 (78 + 10)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Hordeum vulgare (volunteer = as weed)
(A) glufosinate	360	60
(B) pendimethalin	500	0
(A) + (B)	(360 + 500)	63 (60 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	88
(B) pendimethalin	500	10
(A) + (B)	(360 + 500)	92 (E° 90)***

\*\*\*E° > 100% - therefore threshold calculation using Colby's formula (E°)

*fluthiamide (flufenacet)*

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Lolium multiflorum
(A) glufosinate	400	40
(B) fluthiamide(flufenacet)	400	0
(A) + (B)	(400 + 400)	55 (40 + 0)

*linuron (data of urea anlogue isoproturon)*

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 22 days after application on Trifolium alexandrinum
(A) glufosinate	200	50
(B) isoproturon	750	70
(A) + (B)	(200 + 750)	94 (E <sup>c</sup> 85)***

\*\*\*E<sup>A</sup>>100%-therefore threshold calculation using Colby's formula (E<sup>c</sup>)

Table: Herbicidal effect of composition in field trial

Active Substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Avena sativa (volunteer = as weed)
(A) glufosinate	360	50
(B) fluthiamide(flufenacet)	400	0
(A) + (B)	(360 + 400)	55 (50 + 0)

Table: Herbicidal effect of composition in field trial

Active substance(s)	Dose g of a.i/ha	Herbicidal action (%) 7 days after application on Hordeum vulgare (volunteer = as weed)
(A) glufosinate	360	60
(B) isoproturon	750	25
(A) + (B)	(360 + 750)	87 (60 + 25)